



V & C Patel English School  
Yearly Examination

Std: VIII  
Subject: Science

Max.Marks: 80  
Date:6/3/2018  
Time: 3 hrs

**General Instructions:**

- Section A Q. No. 1 and 2 carry 1 mark each  
Section B Q.No. 3 to 5 carry 2 marks each  
Section C Q.No. 6 to 15 carry 3 marks each  
Section D Q. No.16 to 21 carry 5 marks each  
Section E Q.No.22 to 27 carry 2 marks each which is practical based

**SECTION A**

(1x2=02)

- Q-1 State the beneficial effects of microorganisms in our lives.  
Q-2 What is a crop? Give two types of crop.

**SECTION B**

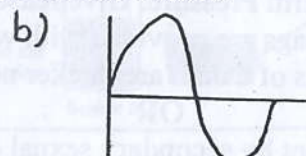
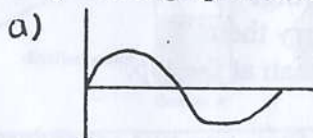
(2x03=6)

- Q-3 Medburg's hemispheres when joined together in the form of sphere are difficult to separate out, why? Explain your answer.  
Q-4 State two laws of reflection.  
Q-5 State two physical properties on the basis of which metals can be distinguished from non-metals.

**SECTION C**

(3x10=30)

- Q-6 Give three points of difference between Animal cell and Plant cell  
Q-7 a. Define the term vaccine.  
b. Why are children or infants given vaccination?  
Q-8 Imagine your house is surrounded by an empty space and you have elderly neighbour. You are partying with your friends to celebrate the final exam result.  
a) Write two probable effects of your entertainment on him.  
b) Why it is called a noise pollution although it is only the music which is played?  
c) Identify which graph can relate to music for the above case.



- d) How can you avoid this in future other than reducing the sound for the above problem?

- Q-9 a) How does a lightning conductor protect a tall building?  
 b) Why are lightning strikes more frequent in hilly areas?
- Q-10 Rekha had heard that rainwater is as good as distilled water, so she collected some rain water in a clean glass beaker and tested it, to her surprise she found that the compass needle showed deflection. What could be the reason?
- Q-11 Female frogs or fish lay hundreds of eggs where as a hen lays one egg at a time. Why? Explain with reason.
- Q-12 Explain the mechanism of the vocal cords in human which helps to change one's own pitch (2 ways) with diagram.
- Q-13 Write two chemical changes which can be observed when electricity is passed through an electrolyte along with appropriate example.
- Q-14 Write the difference between manure and fertilisers.
- Q-15 Can we store lemon pickle in an aluminium container? Give reason for your answer.

OR

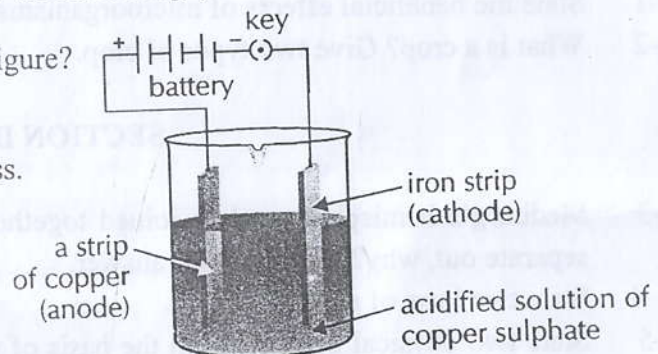
- Q- 15 Give any two applications of atmospheric pressure in our everyday life.

### SECTION D

(5x06=30)

- Q- 16 Observe the given figure and answer the following questions.

- 1) Which process is shown in the figure?
- 2) Define the process.
- 3) Describe this process.
- 4) Give any two uses of this process.



- Q- 17 Describe female reproductive system with its labelled diagram.
- Q-18 a) Why does friction damage the machines.  
 b) Write two advantages & disadvantages of friction.  
 c) How can you increase or decrease friction. Write 2 ways each.
- Q- 19 a) Define the term Earthquake.  
 b) List any three causes and effects of earthquake.  
 c) Write safety measures for the same.
- Q-20 Write the function of the following in human eye.  
 (a) Sclera  
 (b) Cornea  
 (c) Iris  
 (d) Optic nerve  
 (e) Retina
- Q- 21 Define the term Pressure. Give reason for the following:  
 1) School bags are provided with wide straps to carry them  
 2) The walls of a dam are thicker near the bottom than at the top.

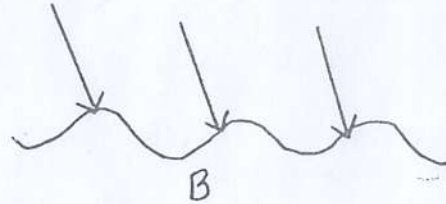
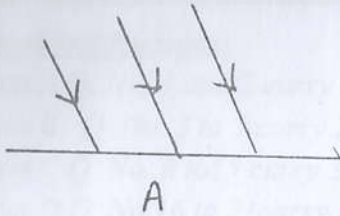
OR

- Q-21 What is meant by secondary sexual characteristics? State any two secondary sexual characteristics in boys & girls.

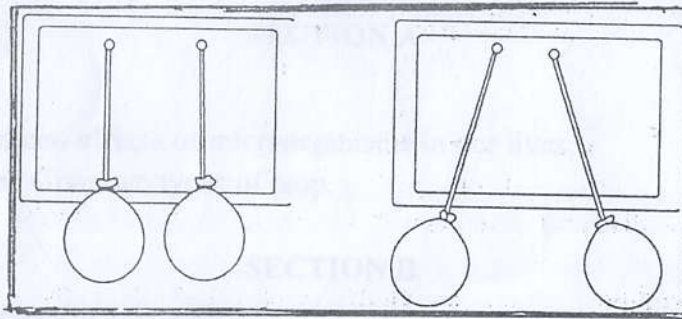
## SECTION E

(2x06=12)

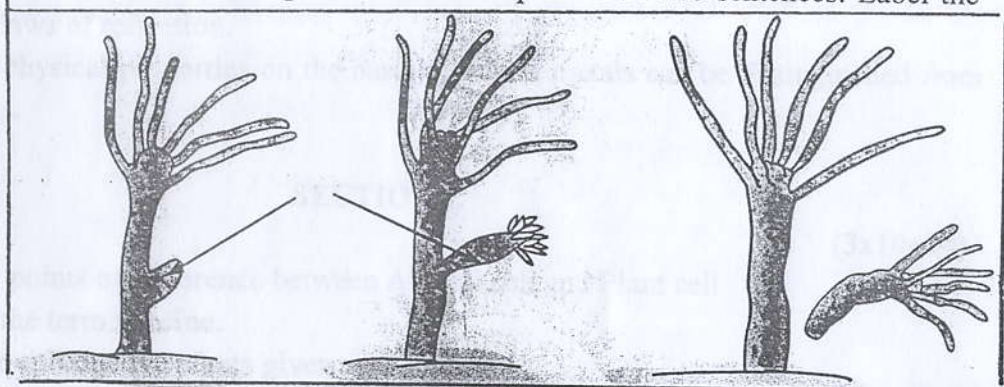
- Q-22 How will you select good and healthy seeds for sowing? Why selection of seeds is important?
- Q-23 A and B are two surfaces as shown below. Draw the reflected rays. Mark the surfaces that will have regular and irregular reflections.



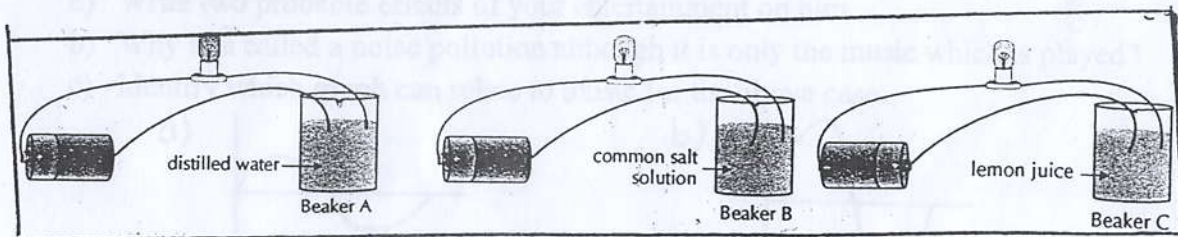
- Q-24 Explain the difference between the behaviours of the balloons in the pictures given below.



- Q-25 Differentiate between contact force and non-contact force with suitable example.
- Q-26 Name the process given in the picture below. Explain it in two sentences. Label the diagram.



- Q-27 In which of the beaker (between A & B) will the bulb glow? Support your answer with appropriate reason.



**GOOD LUCK**